Thank You for purchasing the

IND-100U

1-DIN DIGITAL MEDIA RECEIVER

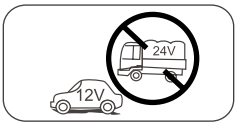
USER MANUAL
V 1.0

Bravo View Technology
20153 Paseo Del Prado
Walnut, CA 91789
United States of America
909-869-0699
www.bravoview.com

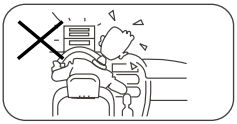
Safety Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this manual in a safe place for future reference.

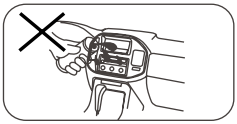
Only connect the unit to a 12-volt power supply with negative grounding.



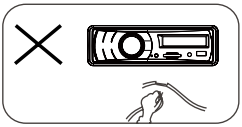
Never install this unit where the operation & condition for safety driving is restrained.



Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.

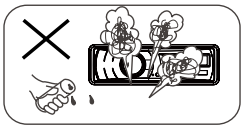


Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.



To ensure safe driving, please adjust the volume to a safe & comfort level in case of emergency situations.

Please power off this unit at once and send it back to the after-sales service center or the dealer/distributor you purchased from if one of the following symptoms is found:



(a). Water or other obstacle enters the unit;
(b). Smoking;
(c). Peculiar smell.

To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

Features

WMA and MP3 Compatibility

It is possible to playback WMA and MP3 files.

About WMA

The unit can playback WMA data.
Windows Media and the Windows logo are trade marks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e.revenue-generating) realtime broadcasting (terrestrial, satellite, cable and/or any other media), broad-casting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

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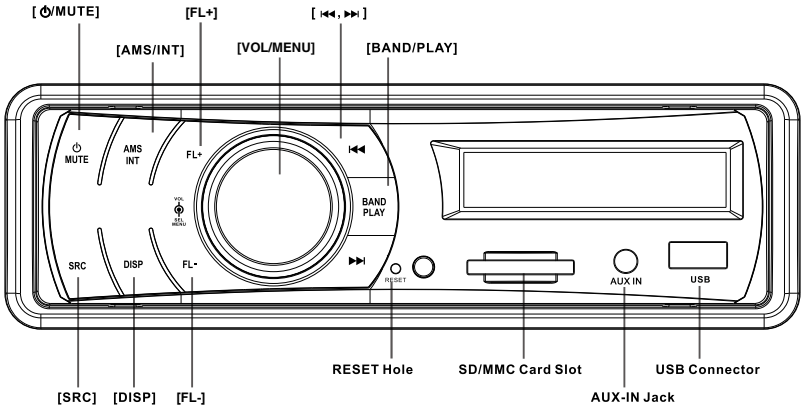
Panel Controls

Power ON: Press [⏻ /MUTE] button to turn on the unit.

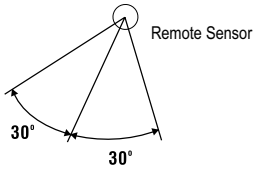


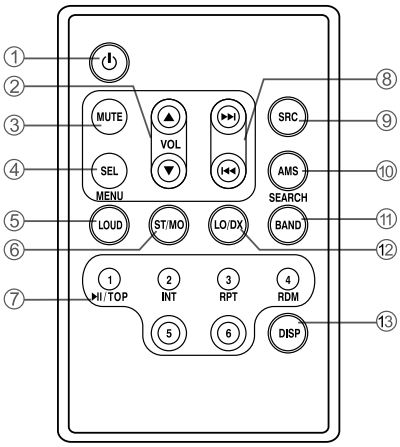
1. [⏻ **/ MUTE**]: Press to POWER on; When on, press to MUTE; Long press to POWER off.
2. [**BAND/PLAY**]: Radio mode, press to switch BAND, In manual tuning mode, long press to store station.
   USB mode, press to play/pause, long press to back to the first track.
3. [**FL+**]: Radio mode, press to select next preset station. In manual tuning mode, press to select a preset postion.
   USB mode, press to select repeat play, long press to enter next folder.
4. [**AMS/INT**]: Radio mode, scan preset stations, long press to search and store strongest stations in the memory automatically.
   USB mode, press to intro play. Long press to enter TRACK NUM SEARCH
5. [⏮ , ⏭]: Radio mode, press to tune manually. Long press to tune automatically.
   USB mode, press to goto previous track, long press to fast-reverse/forward.
6. [**SRC**]: Select playback source
7. [**DISP**]: Display switch, long press to adjust time.
8. [**FL-**]: Radio mode, press to select previous preset station. In manual tuning mode, press to select a preset postion.
   USB mode, press to random play, long press to enter previous folder.
9. [**VOL/MENU**]: Adjust the volume level (rotate).
   Press to set sound effect. Long press to enter setting menu.

Remote Controls

Operating range

Point the remote control unit to the remote sensor when you operate with it.
The remote control can operate within a distance of 3~5m.





1. - Power on/off
2. - Volume
3. - Mute
4. - Press to select VOL/BAS/TRE/BAL/FAD, use volume button to adjust level.
   - Press and hold it to enter Menu mode.
5. - Loudness
6. - FM stereo/mono
7. - Disc Playback
   Button 1: - Play/Pause
   - Top play (long press)
   Button 2: - Intro play (10 sec)
   Button 3: - Track repeat play
   Button 4: - Track random play
   Button 5: - MP3 folder down
   Button 6: - MP3 folder up
   - Radio Preset
   Press to listen to a preset station.
   Press and hold to store station.
8. - Radio tune/Track seek
9. - Select playback source
10. - AMS: Radio preset scan/Radio auto preset
    - SEARCH: MP3 track search
11. - Band switch
12. - Radio local/distant
13. - Display switch

Replacing the lithium battery of remote control unit.

When the range of the operation of the card remote control becomes short or no functions while operating. Replace the battery with a new lithium battery. Make sure the battery Polarity replacement is correct.

1. Pull out the battery holder while pressing the stopper.
2. Insert the button-type battery with the stamped(+) mark facing upward.
   Insert the battery holder into the remote control.

WARNING:

- Store the battery in place where children cannot reach. If a child accidentally swallowed the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire. Doing this may cause the battery to give off heat, crack or start a fire.
- Do not leave the battery with other metallic materials or poke the battery with tweezers or similar tools.
- When throwing away or saving the battery, wrap it in tape and insulate.

General Operation

Power On/Off Button

Press the [⏻ / MUTE] button to turn the unit on when the vehicle ignition switch is on. Press and hold the button to turn the unit off.

Adjust Volume level

Rotate the [VOL/MENU] knob to adjust volume level. Rotate it clockwise to increase and anticlockwise to decrease the volume.

Audio Mute

Press the [⏻ / MUTE] button to mute the volume from the system. “MUTE” will appear on the display panel and the volume will be muted. Press the [⏻ / MUTE] button again, or adjust the volume level to cancle MUTE mode.

Audio Controls

To adjust the bass, treble, balance and fader, press the [VOL/MENU] knob repeatedly until the appropriate audio control appears on the display panel. Within five seconds, rotate the knob to adjust the audio settings for the selected function.

Mode Button (SRC)

Press the [SRC] button repeatedly to change following mode: Radio, USB (when USB is connected), Card(when SD/MMC card is in), AUX play, etc

Auxiliary Input

To access an auxiliary device:

1. Connect the portable audio player to the AUX interface on the front panel.
2. Press the [SRC] button to select AUX mode.
3. To cancel AUX mode, press [SRC] again.

Display Selector (DISP)

This unit can display the clock time, radio frequenc. Ordinarily, the radio frequency or MP3/WMA track indication is displayed, but the unit will display the time when the [DISP] button is pressed. The time will display for approximately 5 seconds then return to previous mode.

Setting the Clock

The correct time of day can be set by pressing and holding the [**DISP**] button.
To set the clock, perform the following steps:

1. Press the [DISP] button to view the clock.
2. With the clock visible on the display, press and hold the [DISP] button until the time display flashes.
3. Within 5 seconds, rotate the knob counter clockwise to adjust the minutes to the desired setting. To change the hour, rotate the knob clockwise to adjust the hour to the desired time.
4. Press [DISP] to confirm.

Band

During radio play, press the [BAND/PLAY] button to choose between three FM and two AM bands.

Up Tuning

Press the seek up [⏭] button to tune stations upward step-by-step. The current frequency will be shown in digital format on the display panel.
Press and hold the seek [⏭] button to the next available station.

Down Tuning

Press the seek down [⏮] button to tune stations downward step-by-step.
Press and hold the seek down [⏮] button to the previous available station.

Manual store

When one expected radio station has been detected, press and hold the [BAND] button, then press the [FL-] or [FL+] button to select a preset position, press the knob to confirm.
The unit can store 6 stations in each band.

Auto Store

Press the [AMS/INT] button to scan preset stations 1-6. Hold it to automatically select six strong stations and store them in the current band. The new stations replace stations already stored in that band.

Recall the stored stations

To recall the preset station, press [FL-] or [FL+] repeatedly.

1. Load SD/MMC Card

Insert the SD/MMC card into the slot, with the front side at top.
The unit will show CARD, and read the card automatically.

2. Take out SD/MMC Card

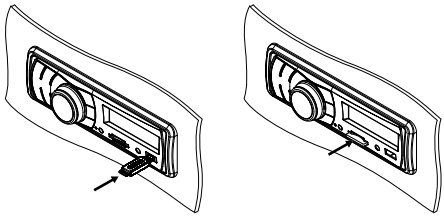
Press SRC button and switch to non CARD mode, take out the card.

3. Load USB Equipment

Insert the USB into the connector and the unit will read the USB storer automatically.

4. Take out USB Equipment

Press SRC button and switch to non USB mode, then take off the USB stick.



USB/SD/MMC Notes

USB functions (flash memory type) MP3 music play
1. SD/MMC card support
2. USB flash memory 2 in 1 (SD/MMC) support
3. FAT 12/FAT 16, FAT 32 is possible
4. Tag (id3 tag ver 2.0)
   - Title/artist/album: 32 byte support
5. Multi card reader not support
6. USB 1.1 support
   USB 2.0 support
   (It can not support USB 2.0 speed. Just, get the same speed with USB 1.1)

Note:
Not all USB devices are compatible with the unit.

Playing MP3/WMA Files

Display Information

During playback, ID3 tag information display scrolling on the screen: FOLDER, FILE, ALBUM, TITLE, ARTIST and Track Number/ Elapsed Time.

Repeat Playback

1. Long press the [FL+] button to select:
   RPT ONE: Repeat play current track.
   RPT FOLD: Repeat play current folder.
   RPT ALL: Repeat play all the tracks.
   RPT OFF: Cancel repeat playback.

Direct Song/File Access

1. Press and hold the [AMS/INT] button to enable direct track searching.
2. Press the [VOL/MENU] knob to confirm.
3. Rotate the knob to select a number.
5. Repeat steps 2-3 to enter the other digits, if necessary.
   NOTE: The unit will only allow the selection of digits that correspond with the number of files on the media you are searching.
6. Once the track number appears on the screen, long press the knob to play the selected song/file.

MP3 Overview

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- This product allows playback of MP3 files on USB or SD/MMC card.
- The unit can read MP3 files written in the format compliant with ISO 9660. However it does not support the MP3 data written by the method of packet write.
- The unit can not read an MP3 file that has a file extension other than ".mp3".
- If you play a non-MP3 file that has the ".mp3" extension, you may hear some noise.
- In this manual, we refer to what are called "MP3 file" and "folder" in PC terminology as "Track" and "Album", respectively.
- The unit may not play tracks in the order of track numbers.
- The unit plays only the audio tracks if contains both audio tracks and MP3 files.

Menu Function

Press and hold the [VOL/MENU] knob more than 2 seconds to enter menu mode, then each press changes the mode as follows:

DSP mode

Rotate the knob to choose DSP sound effect: POP -> ROCK -> CLASSIC -> FLAT -> DSP

LOUD ON/OFF

Rotate the knob to choose loudness on or off.

BEEP ON/OFF mode

Rotate the knob to choose button beep sound on or off.

SEEK 1/2 mode (in Radio mode)

Rotate the knob to choose radio seek mode 1 or 2.
SEEK 1: Searching station will stop when the next station is received.
SEEK 2: Searching station will stop when |<< or >>| button is released and next station is received.

STERE/MONO mode (in Radio mode)

Rotate the knob to choose FM stereo or mono.

LOCAL/DX (in Radio mode)

Rotate the knob to choose Radio local or distant.

VOL mode

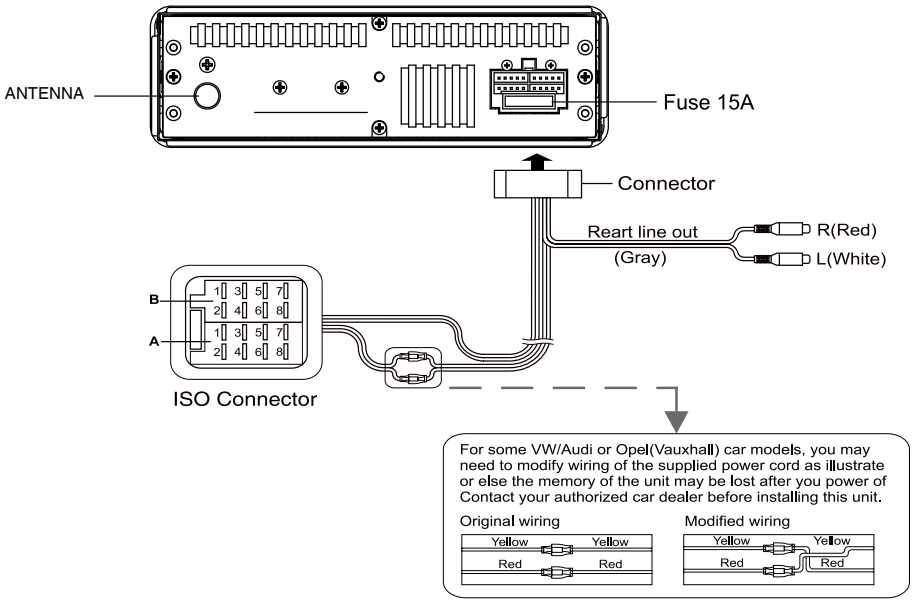
Rotate the knob to choose volume last/adjust mode.
V-LAST: The turn-on volume level is the volume of latest power off.
V-ADJ: Press the knob to enter Volume Adjust mode, rotate the knob to set the turn-on volume level.

12/24 HOURS mode

Rotate the knob to choose time format: 12H or 24 H.

Device Connections

Wiring Diagram



Location	Function	
	Connector A	**Connector B**
1		Rear Right (+) / Purple
2		Rear Right (-) / Purple with Black Stripe
3		Front Right (+) / Gray
4	Battery 12V(+) / Yellow	Front Right (-) / Gray with Black Stripe
5	ANT/AMP control / Blue with white stripe	Front Left(+) / White
6		Front Left(-) / White with Black Stripe
7	ACC+ / Red	Rear Left (+) / Green
8	Ground / Black	Rear Left (-) / Green with Black Stripe

Notes of connection

- To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.
- To prevent short circuit in the wiring and damaging to this unit, secure all wirings with cable clamp or adhesive tape. Route the wirings in a secured, out of heating place without touching any moving parts such as gear shift, handbrake, and seat rails to prevent the wiring insulation being melted / wore off.
- Never pass the yellow power cord through the installation hole into the engine compartment and connect to the car battery. Otherwise, a high possibility of serious short circuit to the electrical system may be occurred.
- Replacing a new fuse with 15A rating when the old one is broken, using no fuse or fuse with improper rating may cause damage to this unit or even fires. If a proper fuse is installed and electrical problems still occur, please contact with any professional car shops for inquiry.
- DO NOT connect other equipments with the car battery to avoid battery overheating.
- Please make sure all the wiring connections & the cables of the Speakers are well-insulated. Otherwise, this unit may be damaged by short circuit.
- If there is no ACC available, please connect ACC lead to the power supply with a switch.
- If an external power amplifier is connected, please don't connect P.CONT lead to the power lead of the external power amplifier, otherwise, electric spark or other damage may be resulted.
- Never ground the speaker output to prevent the damage to the built-in power amplifier.

Preparation

1. Disconnect battery

Before you begin, always disconnect the battery negative terminal.

Note:

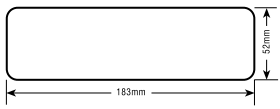
If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

2. Remove unit from sleeve

Lift latches on both sides of sleeve to remove half-sleeve from the unit.

Mounting Sleeve Installation

1. Slide the mounting sleeve off the chassis. If it is locked into position, use the removal tools (supplied) to disengage it.
2. Check the dashboard opening size by sliding the mounting sleeve into it.



If the opening is too small, carefully cut or file as necessary until the sleeve easily slides into the opening. Do not force the sleeve into the opening or cause it to bend or bow. Check for sufficient space behind the dashboard for the unit chassis.

This unit can be installed in any dashboard with a suitable 183 mm (W) x 52 mm (H) opening as shown above. The dashboard should be 4.75 mm - 5.56 mm thick in order to be able to support the unit.

3. Locate the series of bend tabs along the top, bottom, and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary to firmly secure the sleeve to the dashboard.

4. Place the unit in front of the dashboard opening so the wiring can be brought through the mounting sleeve. Follow the wiring diagram carefully and make certain all connections are secure and insulated with wire nuts or electrical tape. After completing the wiring connections, turn the unit on to confirm operation (vehicle ignition must be on). If the unit does not operate, re-check all wiring until the problem is corrected.
5. Make sure the radio is right-side up, then carefully slide the radio into the mounting sleeve until it is fully seated and the spring clips lock it into place.
6. Secure the rear of the unit to the car body using the mounting bolt and rubber cushion.
7. Test the unit using the "Operation" instructions that follow.

Kit Installation

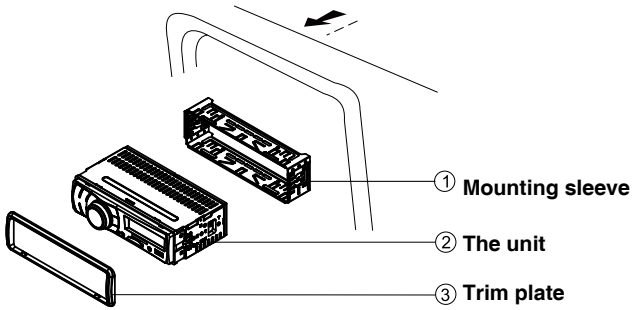
If your vehicle requires the use of an installation kit to mount this unit, follow the instructions included with the installation kit to attach the unit to the mounting plate supplied with the kit.

1. Wire and test the unit as outlined in the Mounting Sleeve Installation instructions.
2. Install the radio/mounting plate assembly to the sub-dashboard according to the instructions in the installation kit.
3. Replace the dashboard trim panel.

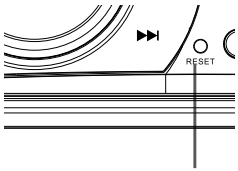
ISO Installation

This unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some vehicles to mount the radio to the dashboard. Please consult with your local car stereo shop for assistance on this type of installation.

1. Remove the existing factory radio from the dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Carefully unsnap the plastic frame from the front of the new unit chassis. Remove and discard the frame.
3. Remove the factory mounting brackets and hardware from the existing unit and attach them to the new unit. Please use the attached screws. Unsuitable screws may damage components inside the chassis.
4. Wire the new unit as outlined in the Mounting Sleeve Installation instructions.
5. Mount the new unit assembly to the dashboard or center console using the reverse procedure of step 1.



Reset



RESET Hole

The [RESET] button is located the bottom of the front panel. Resetting the unit will erase the time and preset memories. It should only be activated upon initial installation after all wiring is complete, or if there is a malfunction of any of the switches on the unit.

Fuse

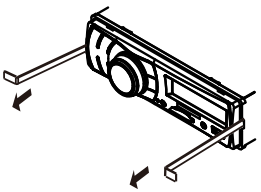
When replacing a fuse, make sure the new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio.

Reconnect Battery

When wiring is complete, reconnect the battery negative terminal.

Removing the Unit

1. Remove the trim plate.
2. Insert the removal keys straight back until they lock.
3. Pull the radio out.
   If the removal keys are inserted at an angle, they will not lock properly and will not release the unit.



Troubleshooting

If you suspect something is wrong, immediately switch power off. Immediately stop using it and call the store where you purchased it. Never try to repair the unit yourself because it is dangerous to do so.

Problem	Possible cause	Solution
General		
The unit will not switch on.	Car ignition is not on. Cable is not properly connected. Fuse is burnt.	Turn your car key in the ignition. Check cable connection. Replace fuse with a new fuse of the same capacity.
No sound	Volume is set at minimum or the mute function is on.	Check the volume or switch the mute function off.
The unit or screen does not function normally.	The unit system is unstable.	Press the RESET button.
TUNER mode		
Unable to receive stations.	The antenna is not connected properly.	Connect the antenna properly.
Poor quality reception of radio station.	The antenna is not fully extended or it is broken.	Fully extend the antenna and if broken, replace it with a new one.
Preset stations are lost.	The battery cable is not properly connected.	Connect the permanent live on the unit to the permanent live on the vehicle.
USB/SD/MMC mode		
Unable to insert USB device or SD/MMC card.	The memory card or USB device has been inserted the wrong way round.	Insert it the other way around.
The USB device or SD/MMC card cannot be read.	NTFS format is not supported.	Check that the USB/SD/MMC file system is in FAT or FAT32 format. Due to different formats, some models of USB storage devices or MP3 players may not be read.

Specifications

General

Power supply:	12VDC (11V-16V), Test voltage 14.4V, negative ground
Maximum power output:	45W x 4 channels
Continuous power output:	20W x 4 channels (4Ω 10% T.H.D.)
Suitable speaker impedance:	4-8ohm
Pre-Amp output voltage:	4.0V (Play mode: 1KHz, 0dB, 10KΩ load)
Fuse:	15A
Dimensions (WxHxD):	188 x 58 x 98mm
Weight:	0.52kg
Aux-in level:	≥500mV

FM Stereo Radio

Frequency range:	87.5-107.9MHz
Usable sensitivity:	8dBμ
Frequency response:	30Hz-15KHz
Stereo separation:	30dB(1KHz)
Image response ratio:	50dB
IF response ratio:	70dB
Signal/noise ratio:	>55dB

AM(MW) Radio

Frequency range	530-1710KHz
Usable sensitivity (S/N=20dB)	30dBμ

Components

Mounting sleeve	1
Machine screws M5x6 mm	4
Wire connector	1
Trim plate	1
Removal key	2
Operating Instructions	1
Remote control unit	1

Note:

Specifications and the design are subject to change without notice due to improvements.

Limited Warranty

Bravo View Technology warrants this product (including any accessory and/or cable) against defects in material or workmanship as follows:

1. Labor. For a period of 1 Year from original date of purchase, if the product is determined to be defective, Bravo View will repair or replace the product at no charge.
2. Parts. For a period of 1 Year from original date of purchase, Bravo View will at no charge, replace with new or rebuilt parts in exchange for defective parts. The warranty will either continue from date of original purchase or 90 days from repair (Whichever is longer).

This warranty does not cover customer misuse, improper installation, poor signal (including any "noise"), cosmetic damage, damage due by accident, abuse, negligence, commercial use, and improper operation.

Proof of Purchase in the form of a copy of a bill of sale or copy of receipted invoice, which shows clearly the sale of the unit, is required.

Repair or Replacement as provided under this warranty is the exclusive remedy of the consumer. Bravo View Technology shall not be liable for any incidental or consequential damage for breach of any express or implied warranty on this product. In no event shall Bravo View Technology be liable for any incidental or consequential damage whatsoever arising out of the use or inability to use the product. Under no circumstance shall Bravo View Technology's liability exceed the purchase price paid for the product. Except to the extent prohibited by applicable law, any implied warranty or merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty.

Warranty Request:

1. Send an email or write to our customer service department customer@bravoview.com, please provide the following information along with a copy of your *SALES RECEIPT*.
   a. Name:
   b. Email Address:
   c. Phone Number:
   d. Shipping Address:
   e. Purchase Date:
   f. Purchased From:
   g. Serial Number:
   h. Model Number:
   i. Defective Issue:
2. If determined that the item is warrantable, Bravo View will issue a RA# and provide an address to mail the unit back to.
3. Bravo View is not responsible for articles lost or stolen during shipping. IT IS ADVISABLE TO SHIP THE UNIT IN A METHOD IN WHICH YOU CAN TRACK THE PACKAGE, AND POSSIBLY INSURE THE PACKAGE. Bravo View does not cover the expense of mailing the unit back to us.
4. Once Bravo View receives and validates the unit to ensure it is within warranty, Bravo View will replace the unit, fix the unit, or offer a substitute of the unit if a replacement is not available. Bravo View may send a refurbished unit back.

To obtain warranty service, you must contact Bravo View Technology for a Return Authorization Number (RA#).
909-869-0699 or visit www.bravoview.com

PN: 127075004587